Keratin-Associated Protein 5-7 (KRTAP5-7) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Keratin-associated protein 5-7 (KRTAP5-7), Recombinant Protein
Full Product Name	Recombinant Human Keratin-associated protein 5-7 (KRTAP5-7)
Product Gene Name	KRTAP5-7 recombinant protein
Product Synonym Gene Name	KRTAP5-7
Sequence	MGCCGCSEGC GSGCGGCGSG CGGCGSGCGG CGSSCCVPVC CCKPVCCCVP ACSCSSCGSC GGSKGGCGSC GGSKGGCGSC GGSKGGCGSC GCSQCSCYKP CCCSSGCGSS CCQSSCCKPC CCQSSCCKPC CCSSGCGSSC CQSSCCNPCC SQSSCCVPVC CQCKI
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	15,150 Da
Sequence Positions	1-165, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q6L8G8
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for KRTAP5-7 recombinant protein	MBS1470583 is a recombinant protein targeting KRTAP5-7. Also known as Recombinant Human Keratin-associated protein 5-7 (KRTAP5-7). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of KRTAP5-7 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRTAP5-7. It may not necessarily be applicable to this product.

NCBI GI #	60279697
NCBI GeneID	440050
NCBI Accession #	NP_001012521.1
UniProt Primary Accession #	Q6L8G8
UniProt Secondary Accession #	Q701N5; B2RNM3

UniProt Related Accession #	Q6L8G8
GenBank Nucleotide #	NM_001012503.1
NCBI Official Full Name	keratin-associated protein 5-7
NCBI Official Synonym Full Names	keratin associated protein 5-7
NCBI Official Symbol	KRTAP5-7
NCBI Official Synonym Symbols	KRTAP5-3; KRTAP5.7
UniProt Protein Name	Keratin-associated protein 5-7
UniProt Synonym Protein Names	Keratin-associated protein 5-3; Keratin-associated protein 5.3; Keratin-associated protein 5.7; Ultrahigh sulfur keratin-associated protein 5.7
Protein Family	Keratin-associated protein
UniProt Gene Name	KRTAP5-7
UniProt Synonym Gene Names	KAP5-7; KAP5.3; KRTAP5.3; KRTAP5.7
NCBI Protein Information	keratin-associated protein 5-7
UniProt Comments for KRTAP5-7	In the hair cortex, hair keratin intermediate filaments are embedded in an interfilamentous matrix, consisting of hair keratin-associated protein (KRTAP), which are essential for the formation of a rigid and resistant hair shaft through their extensive disulfide bond cross-linking with abundant cysteine residues of hair keratins. The matrix proteins include the high-sulfur and high-glycine-tyrosine keratins.
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